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**SPRING 2019**

# PROJECT DIGEST



A QUARTERLY SURVEY OF CAPITAL PROJECTS IN DESIGN OR IN CONSTRUCTION



*The re-design of 124th Avenue Northeast features a five-lane roadway and sidewalk-level bicycle lanes.*

# Capital projects lay the ground work

The spring 2019 edition of *Project Digest* reports on 29 public infrastructure projects, including the traffic signals on Sixth Street and the Lakefront Pedestrian and Bicycle Improvements. *Project Digest* arranges project descriptions alphabetically by neighborhood and begins with projects that span multiple neighborhoods. The circled letters in each description correspond with letter on the map on pages 4 & 5.

## North Rose Hill & Totem Lake

### Dual Left-turn Lanes on 124th Avenue Northeast

A project aimed at improving 124th Avenue Northeast's safety and efficiency for driving, walking and bicycling is on track to be complete this summer. Kirkland's contractor is adding

**A** be complete this summer. Kirkland's contractor is adding a second northbound-to-westbound left turn-lane onto Northeast 116th Street at its intersection with 124th Avenue Northeast. To accommodate the new left-turn lane,

Avenue Northeast. To accommodate the new left-turn lane, Kirkland's engineers will adjust the signals' timing and will add a flashing yellow phase for drivers intending to turn left from the westbound and eastbound lanes. The City is also creating a northbound bicycle lane. Visit [www.kirklandwa.gov/124thavenue](http://www.kirklandwa.gov/124thavenue) or contact Project Engineer Laura Drake, (425) 587-3833, [ldrake@kirklandwa.gov](mailto:ldrake@kirklandwa.gov).

*124th Avenue Northeast Sidewalk*

**B** Allied Construction will complete in October the new sidewalks on the west side of Northeast 124th Avenue

Northeast, between Northeast 90th and 113th streets. The sidewalk will create a continuous walkway between South Rose Hill and Totem Lake. Search “124th Avenue sidewalk” on [www.kirklandwa.gov](http://www.kirklandwa.gov) or contact Senior Project Engineer Aparna Khanal, [akhanal@kirklandwa.gov](mailto:akhanal@kirklandwa.gov), (425) 587-3827.

*124th Avenue Northeast Roadway Improvements (from  
Northeast 116th Street to Northeast 124th Street)*

Kirkland's staff and consulting engineers will continue until September asking for feedback on the design for the 124th Avenue Northeast corridor. The City of Kirkland is re-designing the three-lane roadway into a five-lane roadway that features sidewalk-level bicycle lanes and wide sidewalks. 124th Avenue Northeast will also feature more accessible bus stops, improved street lighting and more aesthetic landscaping. Kirkland's staff expects to complete the design by the end of 2019 and to begin construction by 2020. Visit [www.kirklandwa.gov/124thavenue](http://www.kirklandwa.gov/124thavenue) or contact Senior Project Engineer Aparna Khanal, [akhanal@kirklandwa.gov](mailto:akhanal@kirklandwa.gov), (425) 587-3827.





Along with the reconstruction of 100 sidewalk access ramps and a pair of Rapid Flashing Beacons at Market Street's intersections with Fourth Avenue and Central Way, the Lakefront Bicycle and Pedestrian Improvements project created a bike box and bus queue-jump at Market Street's intersection with Forbes Creek Drive.

### Juanita, Lakeview & Moss Bay

#### Lakefront Pedestrian & Bicycle Improvements

Kirkland's contractor expects to complete in June a project dedicated to walking and bicycling safety along Lake Washington Boulevard, Market Street and 98th Avenue Northeast. C.A. Carey Corporation, Kirkland's contractor, is improving street lighting, sidewalk access at 100 curb ramps, and creating colored bicycle lanes at intersections between Northeast 38th Place and Northeast 116th Street. C.A. Carey is also establishing two sets of rapid flashing beacons at Market Street's intersections with Fourth Avenue and Central Way. Search "Lakefront Bicycle and Pedestrian Improvements" on [www.kirklandwa.gov](http://www.kirklandwa.gov) or contact Senior Project Engineer Aparna Khanal [akhanal@kirklandwa.gov](mailto:akhanal@kirklandwa.gov), (425) 587-3827.

### North & South Rose Hill

#### Neighborhood Greenways

Kirkland's project engineers expect to begin this summer establishing a variety of features along Northeast 75th Street that will transform the residential street into Kirkland's first neighborhood greenway, where walking and bicycling are inviting, efficient and safe transportation modes for all ages and abilities. The greenways project made WSDOT's funded list for a state grant that will pay for several of the greenway's features, including its elevated intersection between Holy Family Catholic Parish and Lake Washington High School. Visit [kirklandwa.gov/greenways](http://www.kirklandwa.gov/greenways) or contact Project Engineer Marius Eugenio, Jr. [meugenio@kirklandwa.gov](mailto:meugenio@kirklandwa.gov), (425) 587-3872.

### Juanita, Kingsgate, Moss Bay, Norkirk, South Rose Hill

#### Neighborhood Safety Program

By June, the Neighborhood Safety Program will have improved walking and bicycling conditions in five of Kirkland's 13 neighborhoods. Those improvements are listed below:

**Juanita:** colored bicycle lanes in high-conflict zones along 100th Avenue Northeast between Northeast 116th and 132nd streets; radar speed sign on Northeast 131st Way

**Kingsgate:** radar speed signs on 132nd Avenue Northeast, north of Northeast 135th Street

**Moss Bay:** radar speed sign on Kirkland Way, near Railroad Avenue

**Norkirk:** walkway on Seventh Avenue

**South Rose Hill:** rapid flashing beacons on Northeast 70th Street, near 120th Avenue Northeast

Contact Project Coordinator Kari Page at [kpage@kirklandwa.gov](mailto:kpage@kirklandwa.gov), (425) 587-3875 or Project Engineer Marius Eugenio, Jr. at [meugenio@kirklandwa.gov](mailto:meugenio@kirklandwa.gov), (425) 587-3872.

### Finn Hill, Kingsgate, North Rose Hill, South Rose Hill, Norkirk, Moss Bay, Houghton

#### Street Preservation & Slurry Seal

Kirkland will be repaving sections of streets this summer in six neighborhoods. To prepare these streets for repaving,



the City's contractor will begin in June upgrading the streets' sidewalk access ramps. Street sections include Finn Hill's 84th Avenue Northeast and Northeast 132nd Street, Norkirk's Third Street, Rose Hill's 116th Avenue Northeast and the 12-block section of Sixth Street South that connects Northeast 68th Street in Houghton to Kirkland Avenue in Moss Bay.

Later in the summer, a Kirkland contractor will slurry seal more than 40 sections of neighborhood streets in Kingsgate, North Rose Hill and South Rose Hill, which will add five to 10 years of useful life to the streets. Visit [www.kirklandwa.gov/streetpreservation](http://www.kirklandwa.gov/streetpreservation) or contact Streets Engineer George Minassian, [gminassian@kirklandwa.gov](mailto:gminassian@kirklandwa.gov), (425) 587-3829.

## Everest

### Sixth Street Improvements

Design on Sixth Street's roadway is nearing completion. Project engineers expect to complete the design in June and to begin rebuilding and repaving Sixth Street in July. Several sections of Sixth Street require total reconstruction.

Meanwhile, Kirkland's engineers expect the two sets of traffic signals at Sixth Street's intersections with Kirkland Way and Ninth Avenue South to be operating in June 2019.

Johansen Construction, Kirkland's contractor, has rebuilt the intersection at Sixth Street and Kirkland Way with concrete pavement, which is more capable of withstanding buses' heavier loads than asphalt pavement.

The contractor also rebuilt sidewalks at the intersection and a retaining wall. Shoreline Construction has completed upgrading the five-decade-old concrete water and sewer mains that run beneath Sixth Street. The City upgraded 2,200 linear feet of water main between Northeast 68th Street and Fifth Avenue South and more than 1,000 feet of sewer main between Northeast 68th Street and Eighth Avenue South.

After crews establish the traffic signals, water and sewer mains, and patch the street's roughest sections, the City of Kirkland will repave the roadway. The repaving will start in summer 2019.

Visit [kirklandwa.gov/6thstreet](http://kirklandwa.gov/6thstreet) or contact Project Engineer Laura Drake at [ldrake@kirklandwa.gov](mailto:ldrake@kirklandwa.gov), (425) 587-3833 or Project Engineer Marius Eugenio, Jr. at [meugenio@kirklandwa.gov](mailto:meugenio@kirklandwa.gov), (425) 587-3872 or Senior Project Engineer George Minassian at [gminassian@kirklandwa.gov](mailto:gminassian@kirklandwa.gov), (425) 587-3829.

### Kirkland Avenue Water & Sewer

A water and sewer main upgrade project is requiring some lane closures on Kirkland Avenue, between 116th Avenue Northeast and Railroad Avenue. There, the City of Kirkland is replacing a 1,500-foot section of eight-inch concrete water pipe with 12-inch ductile iron pipe.

The City is also replacing 1,550 linear feet of eight-inch concrete sewer pipe with 12-inch PVC pipe. After installation, the contractor will patch and repave Kirkland Avenue. That will happen in early fall. Search "Kirkland Avenue water & sewer" on [www.kirklandwa.gov](http://www.kirklandwa.gov) or contact Project Engineer Patrick Herbig, [pherbig@kirklandwa.gov](mailto:pherbig@kirklandwa.gov), (425) 587-3841.



*Rectangular Rapid Flashing Beacons will be a prominent feature of Neighborhood Greenways and the Lakefront Pedestrian and Bicycle Improvements project.*

## Finn Hill

### Northeast 132nd Street Sidewalk

A project to improve access to Finn Hill Middle School and Thoreau and Sandburg elementary schools begins this summer. The City of Kirkland is building 950 feet of sidewalk along Northeast 132nd Street, between 84th and 87th avenues northeast. Search "132nd Street sidewalk" on [www.kirklandwa.gov](http://www.kirklandwa.gov) or contact Project Engineer Marius Eugenio, Jr. at [meugenio@kirklandwa.gov](mailto:meugenio@kirklandwa.gov), (425) 587-3872.

## Highlands

### CKC Stormwater Drainage Headwall Repair

Contracted crews begin work this summer on repairs to a 24-inch culvert that is eroding a small section of the Cross Kirkland Corridor's foundation north of Crestwoods Park. Crews will install a flow-structure to dissipate the impact of the water as it plunges the eight feet from the concrete culvert to the Cross Kirkland Corridor's foundation. They will also build a rockery in the nearby ditch's bed and plant the surrounding area with native vegetation. Some of the work will require trail closures along the Cross Kirkland Corridor. Visit [www.kirklandwa.gov/crosskirklandcorridor](http://www.kirklandwa.gov/crosskirklandcorridor) or contact Project Engineer Scott Gonsar, (425) 587-3830, [sgonsar@kirklandwa.gov](mailto:sgonsar@kirklandwa.gov).

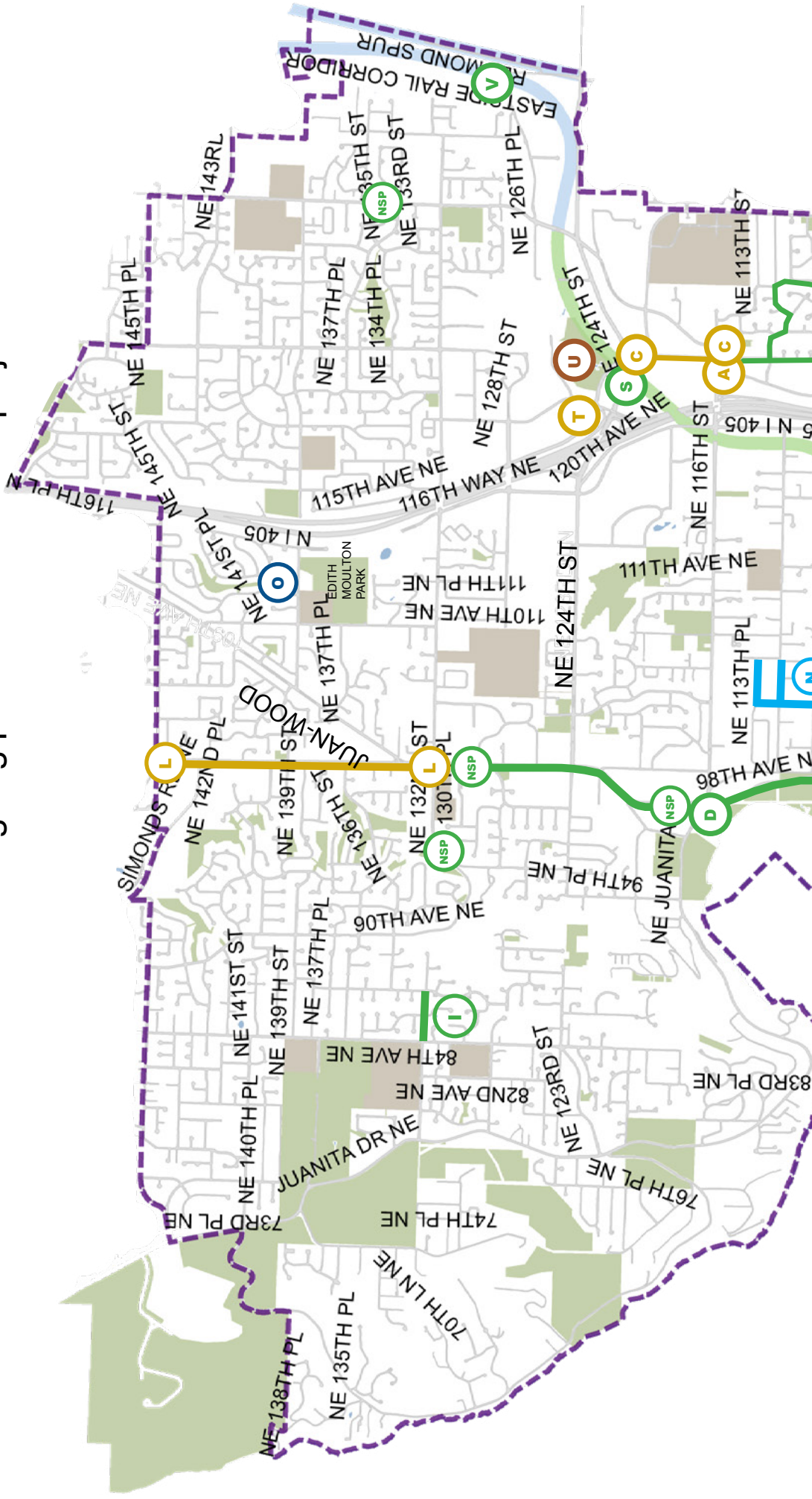
### Rain Garden at CKC

Kirkland's environmental stewards will participate in a planting event this fall at the Cross Kirkland Corridor's intersection with Seventh Avenue. There, the City of Kirkland and King County are building a 720-square-foot rain garden that will help protect Lake Washington from pollutants carried into it by stormwater runoff.

A \$78,000 grant from King County is funding construction, which lasts from June to August. For volunteer registration, visit [www.kirklandwa.gov/ckcraingarden](http://www.kirklandwa.gov/ckcraingarden). Contact Hunter Richards at [hrichards@kirklandwa.gov](mailto:hrichards@kirklandwa.gov), (425) 587-3244 or Blair Daly at [bdaly@kirklandwa.gov](mailto:bdaly@kirklandwa.gov), (425) 587-3877.

# *Building the* **VISION**

Kirkland's residents articulated their vision for a walkable, vibrant and green City during the 2012 Comprehensive Planning process. Since then, Kirkland's Capital Improvement Program has been busy laying the groundwork for that vision. This map illustrates the location of Kirkland's ongoing public infrastructure projects in 2019.





- Multimodal
- Bike/pedestrian
- Stormwater
- Automotive
- Sewer
- Water
- Water/sewer
- Park

## Juanita

### 100th Avenue Northeast Roadway Improvements

Construction begins 2020 on the first phase of the 100th Avenue Northeast improvements. That phase spans the corridor's northern half-mile, between Northeast 139th and 145th streets. Those first phase improvements will include separated sidewalks and elevated bike lanes along both sides of most of the corridor.

The first phase will also optimize traffic flow and safety at its intersections—including the intersections at Simonds Road and Northeast 145th Street. Project staff expect to complete the design in December. Visit [www.kirklandwa.gov/100thavedesign](http://www.kirklandwa.gov/100thavedesign) or contact Project Engineer Laura Drake at [ldrake@kirklandwa.gov](mailto:ldrake@kirklandwa.gov), (425) 587-3833.

### Advance Mitigation at Forbes Creek Drive

OMA Construction is restoring more than five acres of wetlands near Fire Station 21—on the northeast side of Market Street's intersection with Forbes Creek Drive. Specifically, the City's contractor is removing the invasive Himalayan blackberry and reed canary grass monocultures that have consumed the area. In their place, OMA Construction is hand-planting hundreds of native plants. Kirkland's project engineers expect to plant those native plants in the cool and rainy fall season.

This advance mitigation project compensates wetlands and stream buffers for the unavoidable effects capital construction—sidewalks and parking lots—can have on these areas.

"The result of a fully-implemented Advance Mitigation Program will be improved ecological outcomes at a lower price and within a shorter timeframe than could be provided by a site-by-site mitigation process," says a July 25 memo to City Manager Kurt Triplett. "This is a win-win for both use of public funds and for environmental protection." Contact Senior Project Engineer Aparna Khanal, [akhanal@kirklandwa.gov](mailto:akhanal@kirklandwa.gov), (425) 587-3827.

## 2018 Water System Improvements

Kirkland's 2018 Water System Improvements contractor is replacing more than 3,000 linear feet of eight-inch concrete pipe beneath three streets. CR Construction is installing eight-inch ductile iron pipe beneath Northeast 112th and 113th streets, as well as 104th Avenue Northeast. Ductile iron is more flexible and durable than concrete.

After installation, the City will repair and patch the sections of street affected by the water main upgrades. Project engineers expect to complete all three sections by September. Search "2018 water system improvements" on [www.kirklandwa.gov](http://www.kirklandwa.gov) or contact Project Coordinator Brian Baker, [bbaker@kirklandwa.gov](mailto:bbaker@kirklandwa.gov), (425) 587-3874.

### Northeast 141st Street and 111th Avenue Northeast Stormwater Improvements

Kirkland will be closing 111th Avenue Northeast, just north of Northeast 141st Street, for 21 days while contracted crews replace a failing 48-inch steel stormwater pipe with a 12-foot-wide concrete box culvert. The closure begins July 8 and will continue until July 26. The City will establish a detour route around the work site. The existing pipe is clogged with sediment, which reduces the flow of water through the pipe. This allows the sediment to pile up, eroding the Juanita Creek's bank and undermining its trees. It also prevents fish from migrating upstream. The new culvert will alleviate these problems and allow fish to migrate from one side of the culvert to the other. Contact Project Engineer Patrick Herbig, (425) 587-3841, [pherbig@kirklandwa.gov](mailto:pherbig@kirklandwa.gov).

## Market

### Rose Point Lift Station Replacement

The replacement of an aging sanitary-sewer lift station in the Market neighborhood is scheduled to begin this summer and will be complete in fall 2020. Kirkland is



The City of Kirkland is replacing invasive blackberry and reed canary grass with native vegetation on the 5.3 acres of wetlands and buffers indicated by the yellow-shaded area on this map.



replacing the Rose Point lift station—one of the City’s oldest stations—with a 300 square-foot facility that will feature a new wet-well and dry-well. The contractor will use 18th Avenue West to haul materials into the work site and 20th Avenue West to haul waste out of the work site. Senior Project Engineer Aaron McDonald estimates the contractor will use the haul route for approximately 100 loads during the 12-month construction process.

The Rose Point Lift Station pumps sewage from 57 homes in the Market neighborhood. Search “Rose Point Lift Station” on [www.kirklandwa.gov](http://www.kirklandwa.gov) or contact Senior Project Engineer Aaron McDonald, [amcdonald@kirklandwa.gov](mailto:amcdonald@kirklandwa.gov), (425) 587-3837.

## Moss Bay

### *Pleasant Bay Apartments Stormwater Line Replacement*

Kirkland’s contractor is on track to complete by June the replacement of a 750-foot section of root-choked, eight-inch concrete stormwater pipe with an 18-inch PVC pipe. Most of the work is within the Pleasant Bay Apartments complex. The project will increase the stormwater system’s capacity. Visit [www.kirklandwa.gov/pleasantbaystormwater](http://www.kirklandwa.gov/pleasantbaystormwater) or contact Project Engineer Patrick Herbig, [pherbig@kirklandwa.gov](mailto:pherbig@kirklandwa.gov), (425) 587-3841.

## Norkirk/Market

### *Market Street Stormwater Rehabilitation*

Rehabilitation continues on two concrete pipes beneath Market Street that have degraded with age and root-intrusion. The contractor, Michels Pipe Services, is also rehabilitating six manholes and reconnecting nine lateral lines. Michel’s will employ a construction technique that eliminates the need for digging, except at Fourth and Sixth avenues, where its crews will be installing catch-basins.

King County Metro is re-routing its 234 and 255 bus routes to Third Street during construction on weekdays. Market Street access for the 234 and 255 routes will continue as normal on weekends.

Northbound vehicles will be detoured around the work zone onto First Street. Southbound traffic will continue to have access to Market Street’s southbound lane.

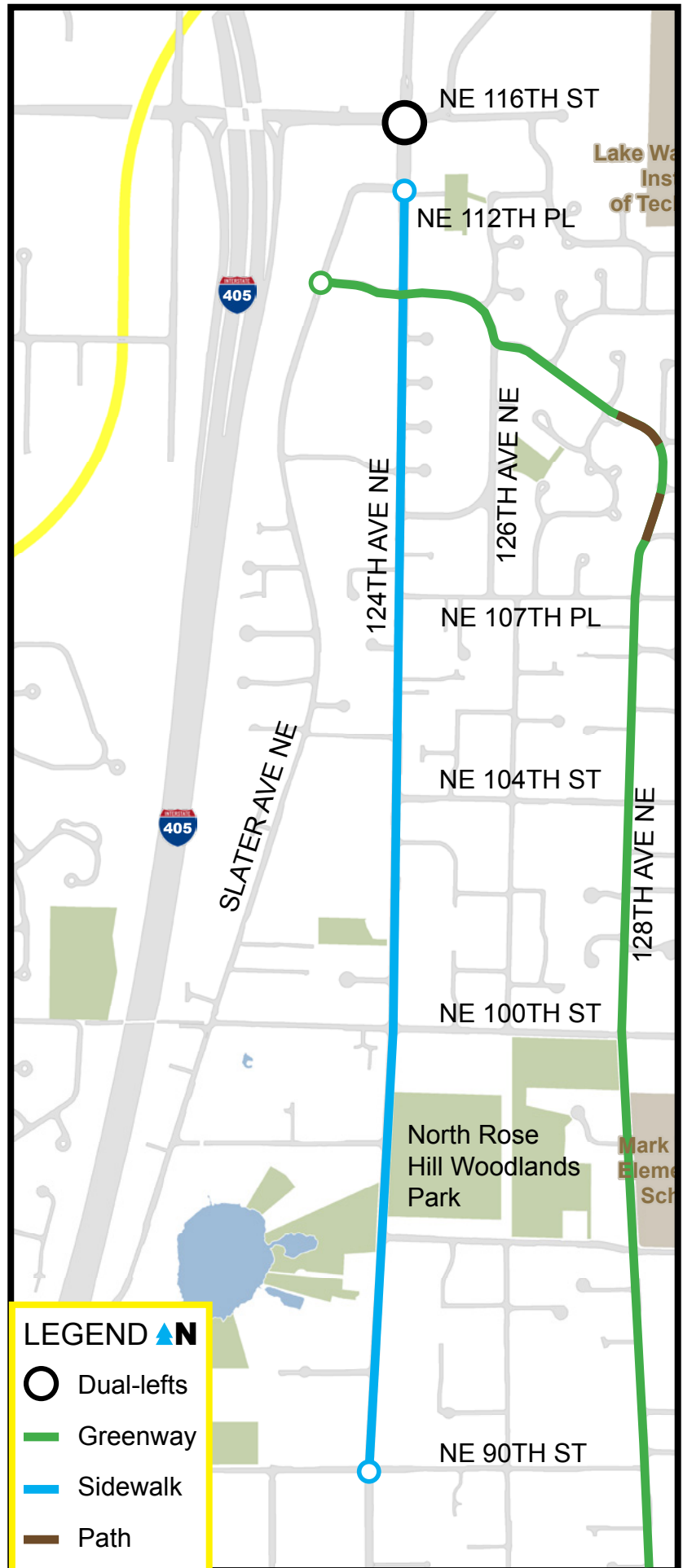
Visit [www.kirklandwa.gov/marketstreetstormwater](http://www.kirklandwa.gov/marketstreetstormwater) or contact Senior Project Engineer Aparna Khanal, [akhanal@kirklandwa.gov](mailto:akhanal@kirklandwa.gov), (425) 587-3827.

## Totem Lake

### *Totem Lake Connector Pedestrian & Bicycle Bridge*

The iconic bridge described in the Cross Kirkland Corridor Master Plan could be in place by 2022.

Construction would begin summer 2020. The Totem Lake Connector pedestrian and bicycle bridge will connect the two ends of the Cross Kirkland Corridor currently severed by Totem Lake



Boulevard and Northeast 124th Street.

It will touch down in Totem Lake Park and will feature an overlook that will extend over the park from the bridge's loop. Those who walk to the overlook's end, say its designers, will feel like they are walking into space. The 20-long-foot overlook will taper in width as it extends toward a transparent end panel. Visit [www.kirklandwa.gov/totemlakeconnector](http://www.kirklandwa.gov/totemlakeconnector) or contact Senior Project Engineer Aaron McDonald, at [amcdonald@kirklandwa.gov](mailto:amcdonald@kirklandwa.gov), (425) 587-3837.

### Totem Lake Gateway Roadway Repair

Contractors will have the opportunity in June to bid on a project that will improve sections of Totem Lake Boulevard and 120th Avenue Northeast. The improvements will restore sections of roadway, which are settling into the wetlands, as well as create new, wide sidewalks. The project will also install lighting that complements the pedestrian plazas and walkways created by the Village at Totem Lake. Kirkland's engineers expect to finish design this spring. The work begins late summer, depending on environmental review and permitting. Kirkland's project engineers expect construction to last nine to 11 months.

The most intensive area of work is on Totem Lake Boulevard, just south of Totem Lake Park. There, crews will remove portions of the existing roadway, replace 900 feet of narrow sidewalk with 10-foot-wide sidewalk, replace the retaining wall and then rebuild the road. The project's last major task is to grind and repave Totem Lake Boulevard, from Northeast 124th Street to Northeast 128th Street, plus sections of 120th Avenue Northeast. Kirkland earned

a \$4.83 million grant in November 2017 from Washington's Transportation Improvement Board that is helping to fund the project. Contact: Senior Project Engineer George Minassian, (425) 587-3829, [gminassian@kirklandwa.gov](mailto:gminassian@kirklandwa.gov)

### Totem Lake Park

The Kirkland City Council voted Sept. 4 to move forward with Totem Lake Park's new design, which features a restroom, picnic and play areas, as well as a 10-foot-wide boardwalk that will connect to the Cross Kirkland Corridor. Project Coordinator Brian Baker expects construction on the park to begin in fall. Visit [www.kirklandwa.gov/totemlake](http://www.kirklandwa.gov/totemlake) or contact: Project Coordinator Brian Baker, (425) 587-3874, [bbaker@kirklandwa.gov](mailto:bbaker@kirklandwa.gov)

### Willows Road Regional Trail Connection

The City of Kirkland expects to begin construction by late summer on a multi-use trail that will connect the Eastside Rail Corridor to the Redmond Central Connector, via Willows Road or Northeast 124th Street. The connection will narrow the gap in a developing trail network that will extend south along the Cross Kirkland Corridor and King County's Eastside Rail Corridor Trail to Renton and northwest along the Sammamish River Trail to the Burke-Gilman Trail in Seattle.

Kirkland's staff is planning to open the Willows Road Regional Trail Connection by fall 2019. Visit [www.kirklandwa.gov/totemlakeconnector](http://www.kirklandwa.gov/totemlakeconnector) or contact Senior Project Engineer Aaron McDonald, at [amcdonald@kirklandwa.gov](mailto:amcdonald@kirklandwa.gov), (425) 587-3837.



*The Totem Lake Connector will span nine lanes of traffic in Totem Lake over Kirkland's busiest intersection.*